

Contents Volume 114

Volume 114, Nos. 1-2, April 1994

Multidomain solution algorithm for potential flow computations around complex configurations

O.-P. Jacquotte and J.-L. Godard

1

The updated co-moving coordinate formulation of continuum mechanics based on the S-R decomposition theorem

Li Ping and Chen Zhi-Da

21

A finite element formulation for finite strain elasto-plastic analysis based on mixed interpolation of tensorial components

E.N. Dvorkin, D. Pantuso and E.A. Repetto

35

On the approximation of nonmonotone multivalued problems by monotone subproblems

E.S. Mistakidis and P.D. Panagiotopoulos

55

Fold lines for sensitivity analyses in structural instability

A. Eriksson

77

The incremental flow formulation for the numerical analysis of plane stress and thin sheet viscous forming processes

J. Bonet

103

A general non-orthogonal collocated finite volume algorithm for turbulent flow at all speeds incorporating second-moment turbulence-transport closure, Part 1: Computational implementation

F.S. Lien and M.A. Leschziner

123

A general non-orthogonal collocated finite volume algorithm for turbulent flow at all speeds incorporating second-moment turbulence-transport closure, Part 2: Application

F.S. Lien and M.A. Leschziner

149

The MacCormack difference scheme and radiation transport

F. Ali and M.A. Kassar

169

Error propagation of staggered solution procedures for transient problems

E. Turska, K. Wisniewski and B.A. Schrefler

177

Book Review

189

Volume 114, Nos. 3-4, April 1994

Publisher's Note	191
A two-field finite element formulation for elasticity coupled to damage <i>J. Florez-Lopez, A. Benallal, G. Geymonat and R. Billardon</i>	193
Large-scale computation of incompressible viscous flow by least-squares finite element method <i>B.-N. Jiang, T.L. Lin and L.A. Povinelli</i>	213
A global continuum Ritz formulation for flexural vibration of pretwisted trapezoidal plates with one edge built in <i>K.M. Liew and C.W. Lim</i>	233
Finite element simulation of hot isostatic pressing of metal powders <i>A.G.K. Jinka and R.W. Lewis</i>	249
Computer-aided analysis and design of control systems using model approximation techniques <i>L.A. Aguirre</i>	273
A nine points finite volume computation of droplet flame ignition <i>F. Benkhaldoun, R. Borghi and M. Gonzalez</i>	295
A model study of the quality of a posteriori error estimators for linear elliptic problems. Error estimation in the interior of patchwise uniform grids of triangles <i>I. Babuška, T. Strouboulis and C.S. Upadhyay</i>	307
Non-linear substructure approach for dynamic analysis of rigid-flexible multibody systems <i>A.Q. Liu and K.M. Liew</i>	379
Announcement	397
Author index Volume 114	399
Subject index Volume 114	401
Instructions to authors	407
Contents Volume 114	409

